

APRIL/MAY 2023

**CIM62/BIM62/UIM62 — SOFTWARE
ENGINEERING**

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What is meant by Software and Software Engineering?
2. What is size factor?
3. Define Software requirement.
4. What is cost?
5. What is walk through in software engineering?
6. Define structure loading.
7. What are scooping rules?
8. List out programming languages features.
9. What is analysis?
10. Define Debug.

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Explain Boehm's Spiral model in detail.

Or

- (b) Explain the challenges faced in software engineering.

12. (a) What is the use of software cost factors? Explain.

Or

- (b) How do you estimate the maintenance cost of the software? Explain with process models.

13. (a) Discuss the project planning activities.

Or

- (b) Write a note on coding style.

14. (a) Write a short note on verification and validation techniques.

Or

- (b) Illustrate Data types.

15. (a) Write a short note on the unit testing.

Or

- (b) Explain about the software maintenance.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain Water-Fall Model for software development.

17. Explain Software Requirement Engineering Process.

18. Discuss in detailed about design guideline issues.

19. Summarize quality assurance.

20. Describe about software tools and Techniques.